

## ABSTRACT OF THE DISCLOSURE

Apparatus and method for determining an address in a telecommunication network. A device includes a connection for a telecommunication network and a processing system which receives data through the connection and determines address information based on the occurrence of a flag in the data stream. A display on the device displays the address information, and possibly other information to a user. In one embodiment, the address information includes an origination point code and a destination point code in an SS7 network. The device can also optionally capture and display additional information. In one embodiment, micro code running on a DSP and EPROM controls the operation of the device and implements the method of the invention.